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Fig. 1



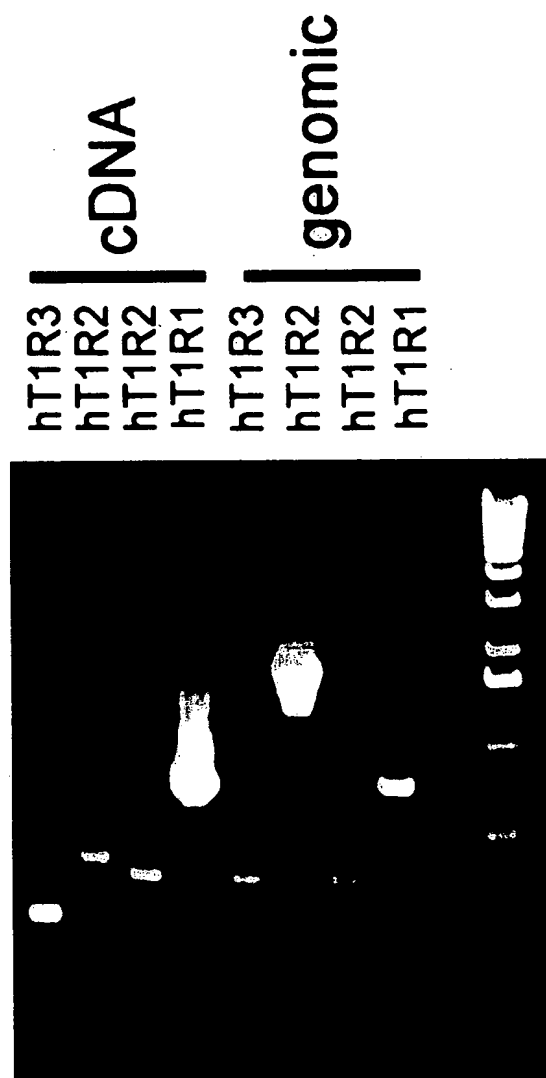


Fig. 2

Fig. 3a

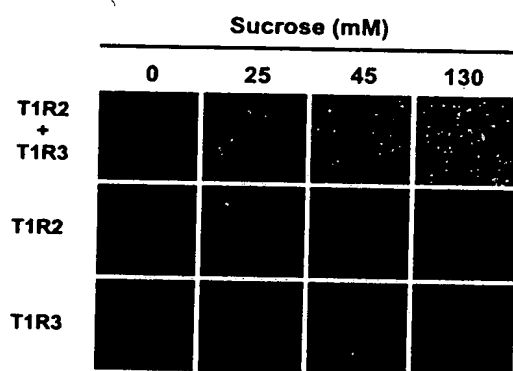
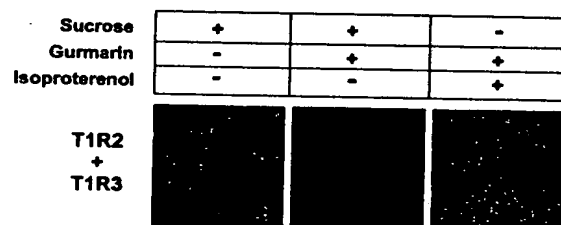
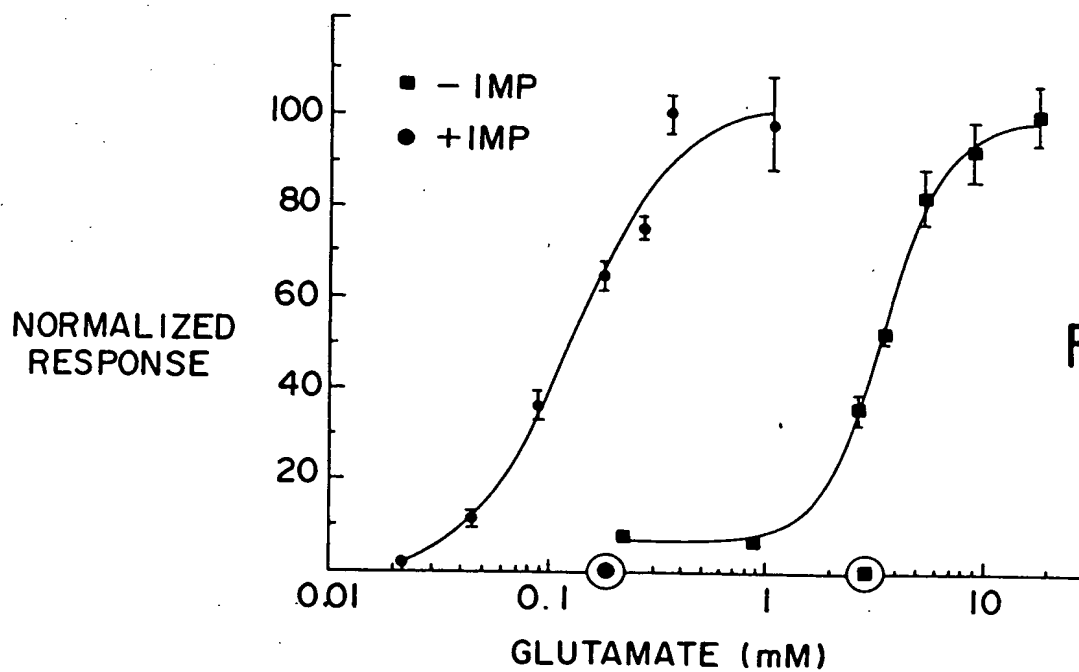
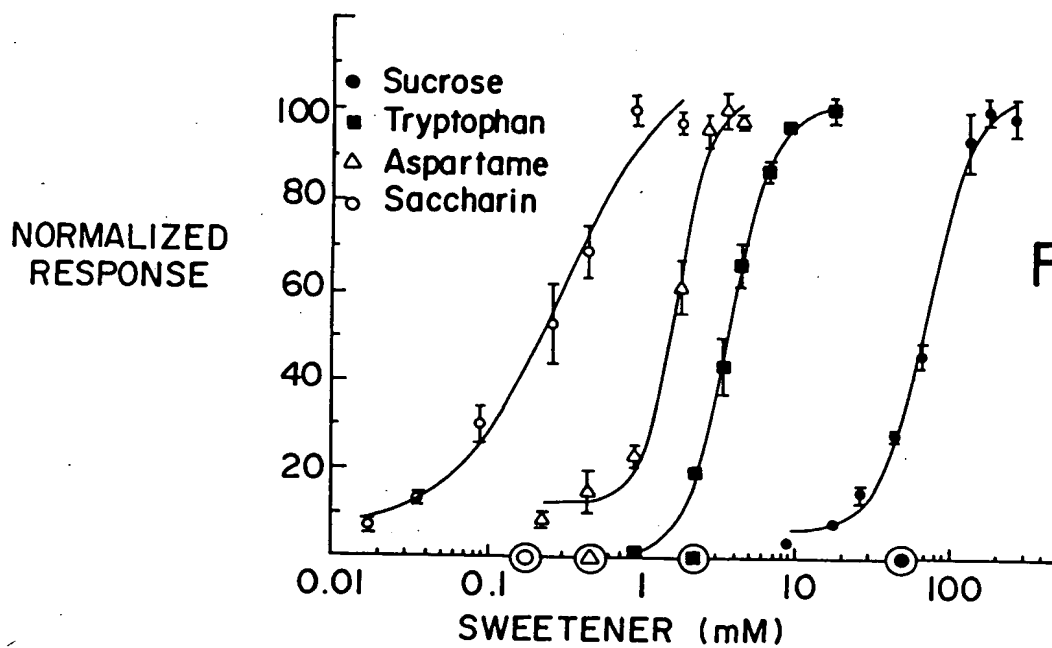


Fig. 3b





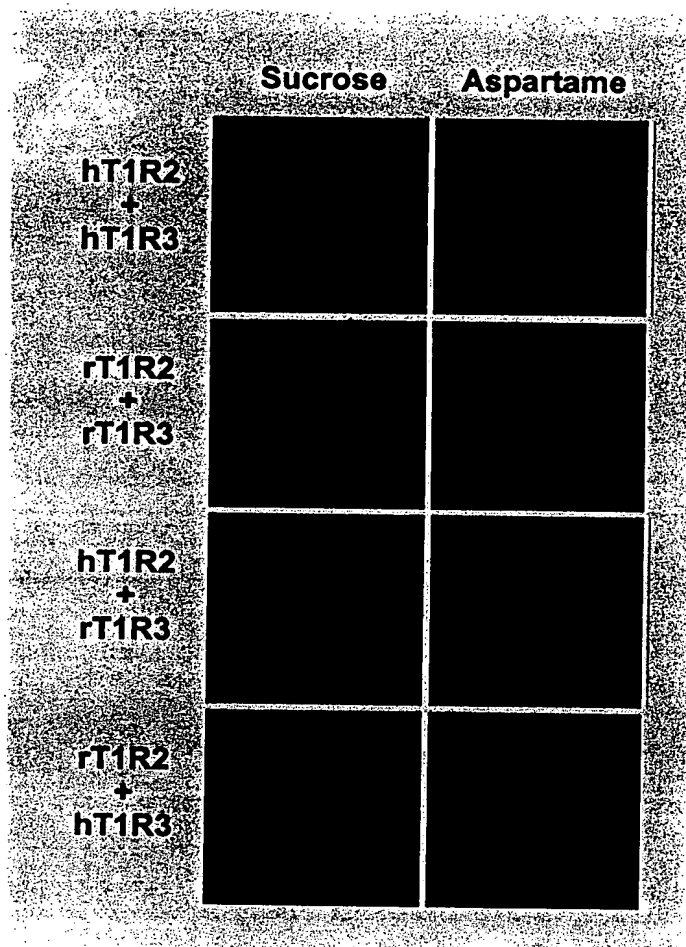


Fig. 4

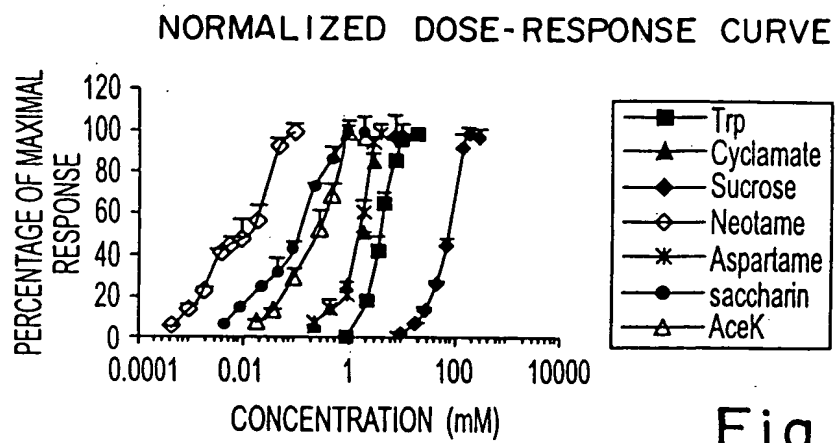


Fig. 6

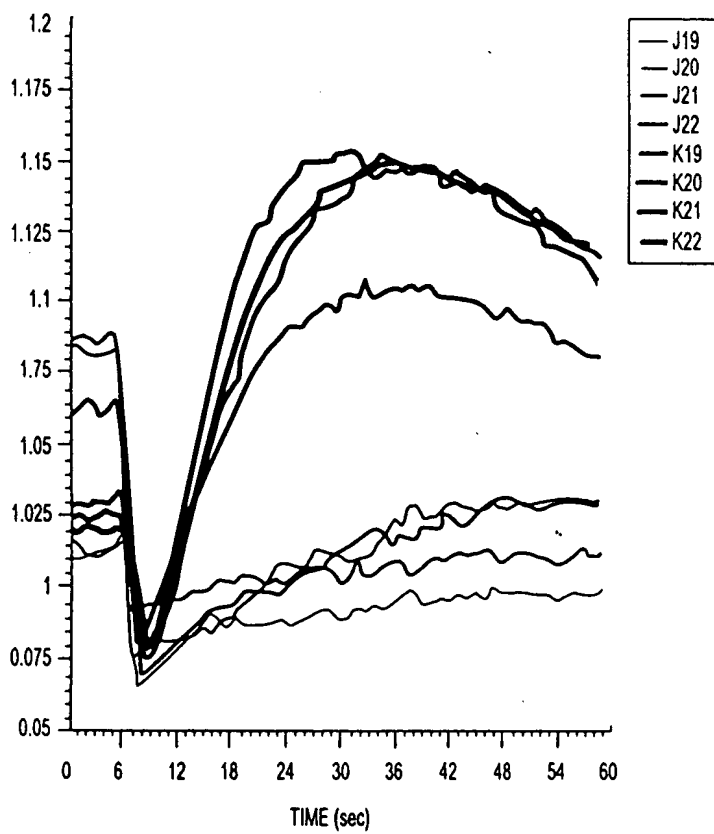


Fig. 5

Fig. 7

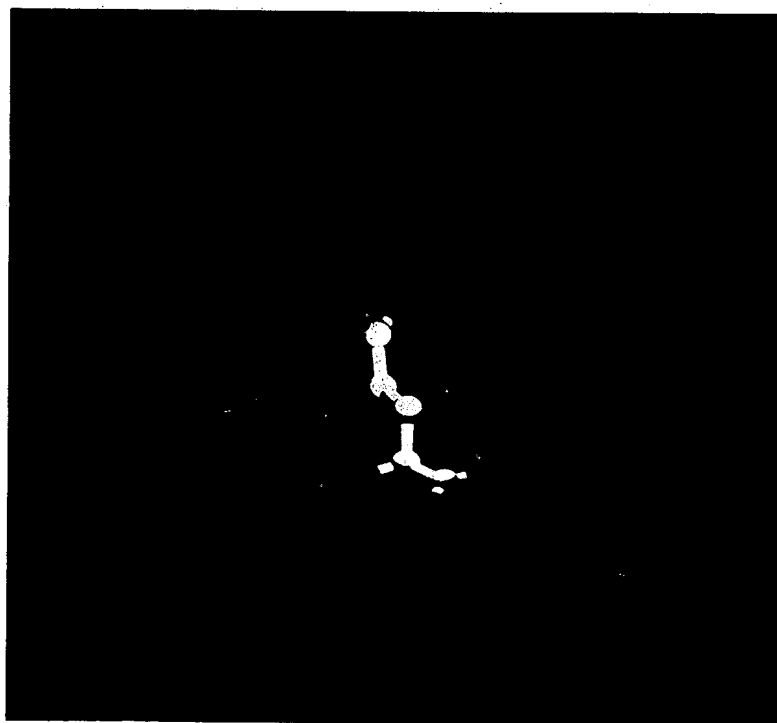




Fig. 8a

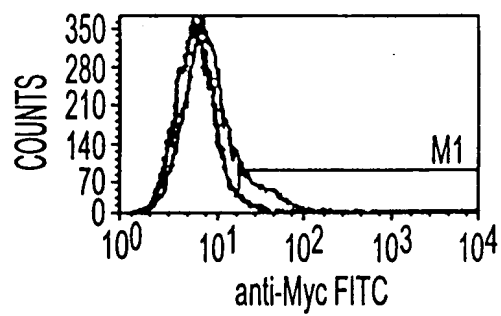
|                   | Glutamate (mM) |   |    |    |
|-------------------|----------------|---|----|----|
|                   | 0              | 5 | 10 | 20 |
| T1R1<br>+<br>T1R3 |                |   |    |    |
| T1R1              |                |   |    |    |
| T1R3              |                |   |    |    |

Fig. 8b

| Glutamate         | + | - | + |
|-------------------|---|---|---|
| IMP               | - | + | + |
| T1R1<br>+<br>T1R3 |   |   |   |



**Fig. 9A**



**Fig. 9B**

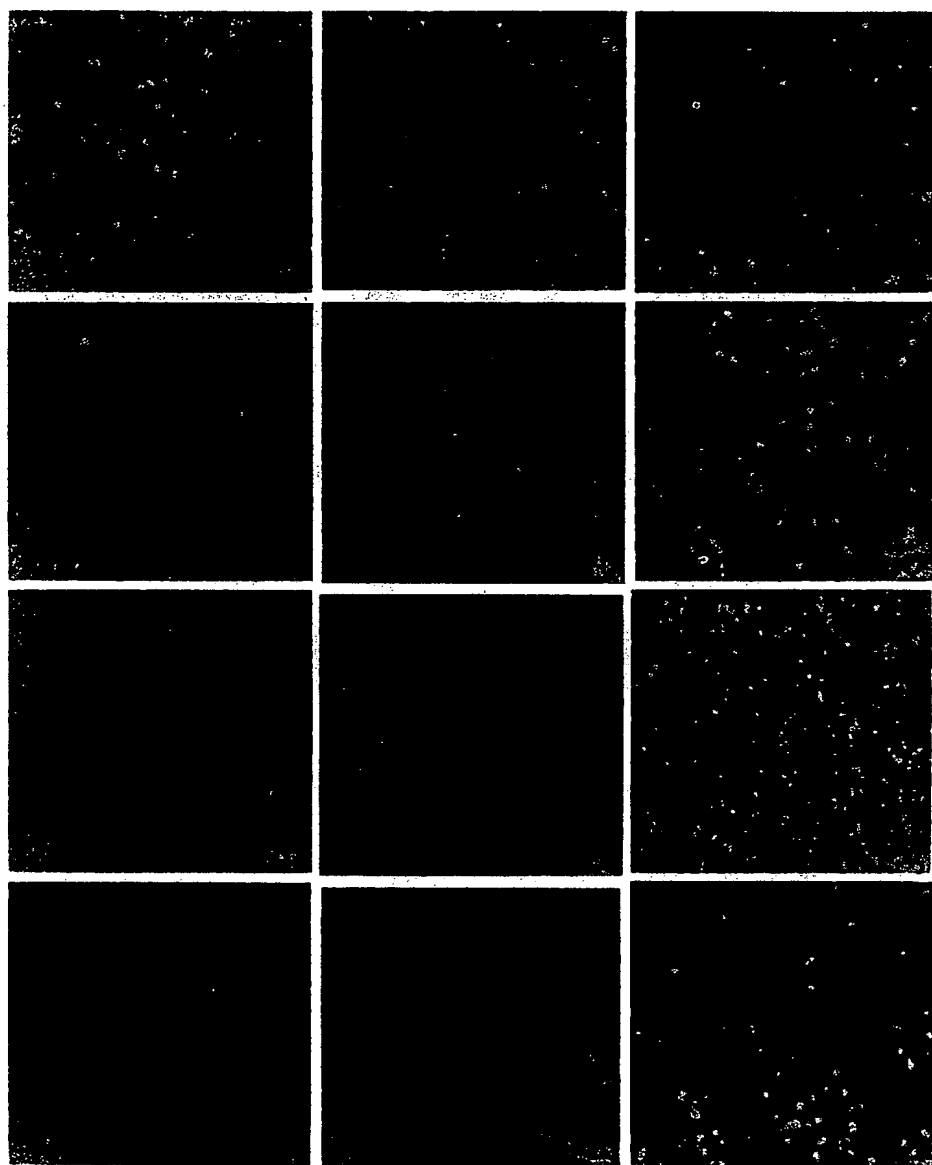


Fig. 10

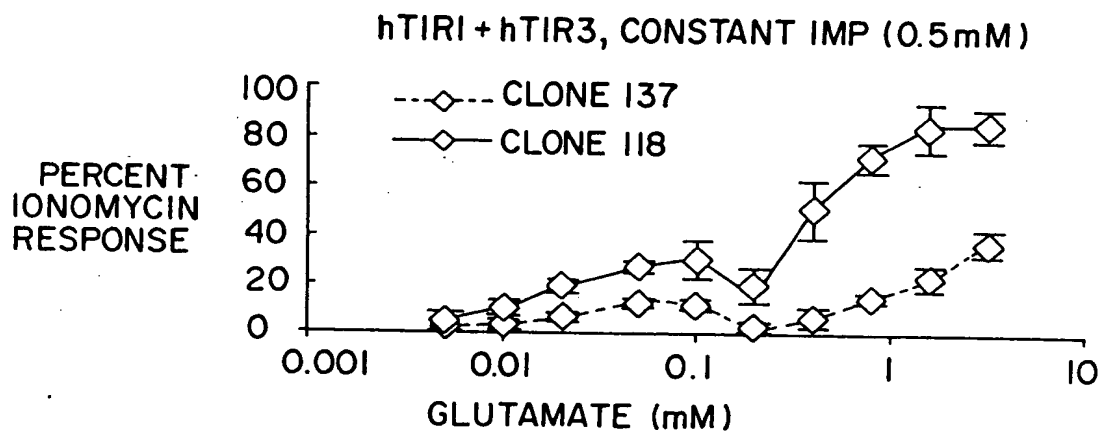


Fig. 11

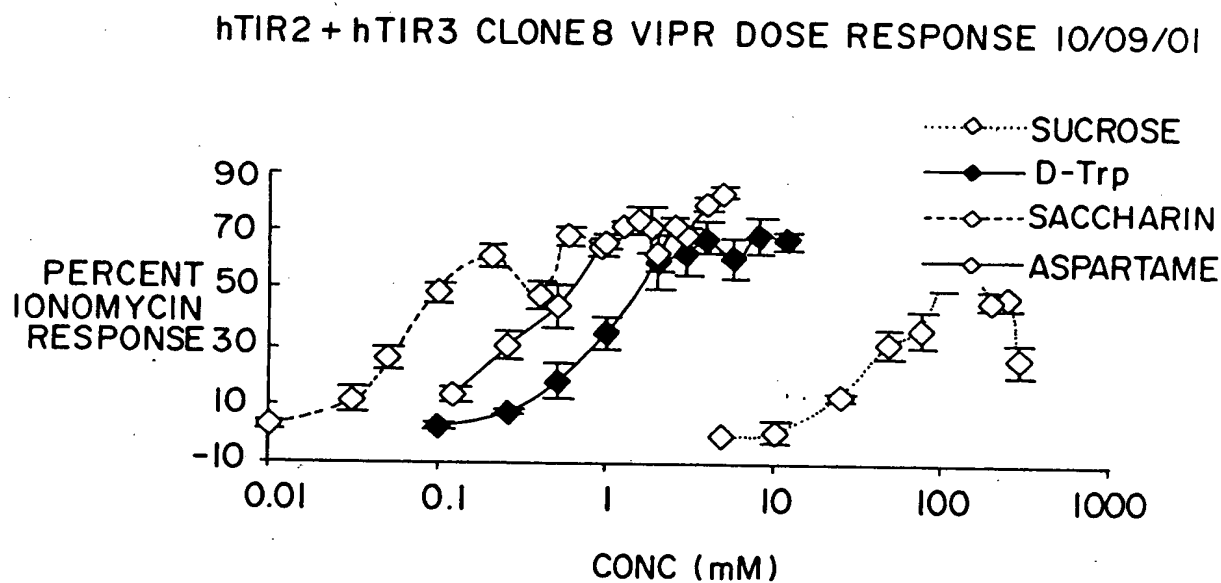


Fig. 12

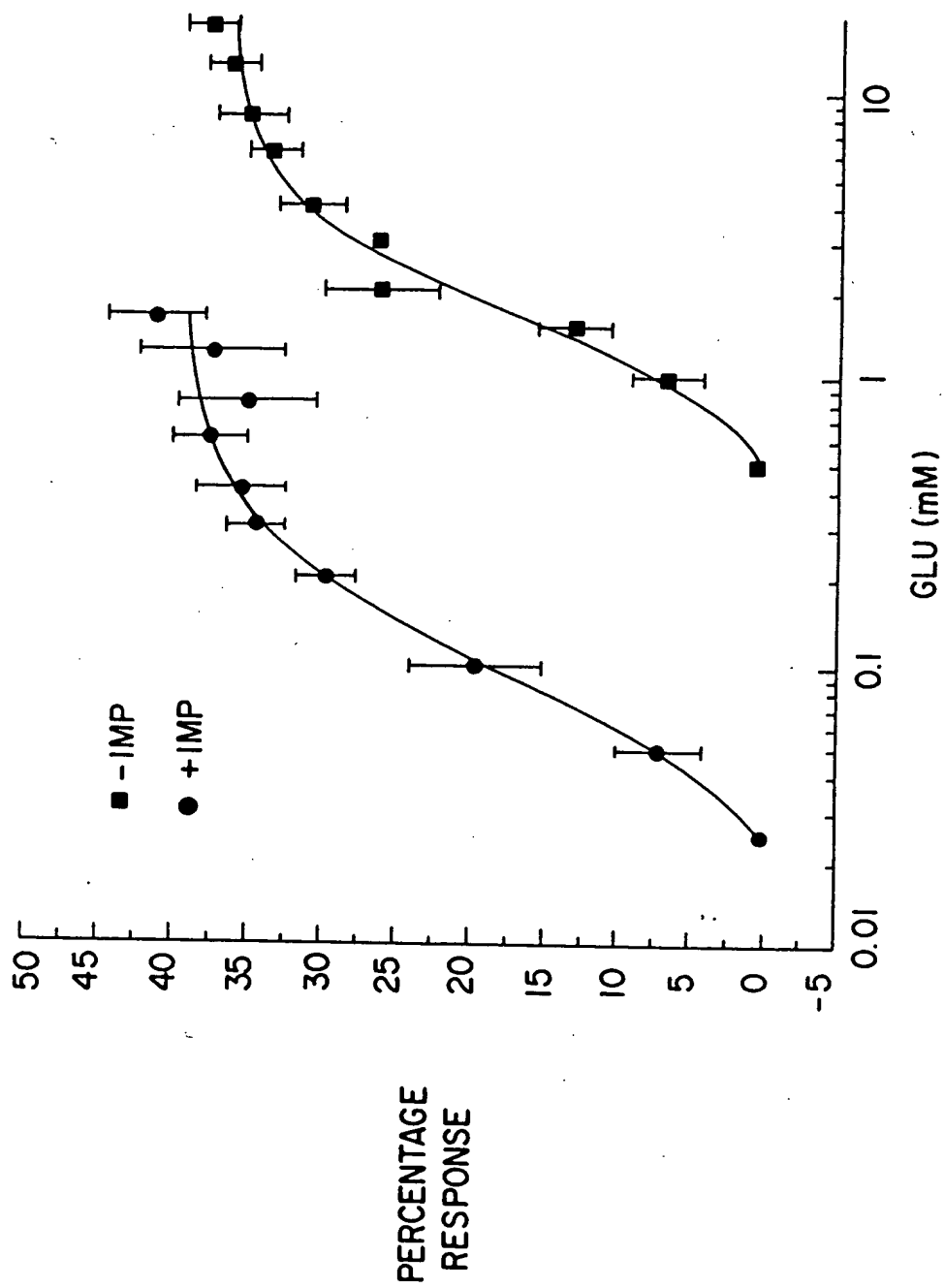


Fig.13

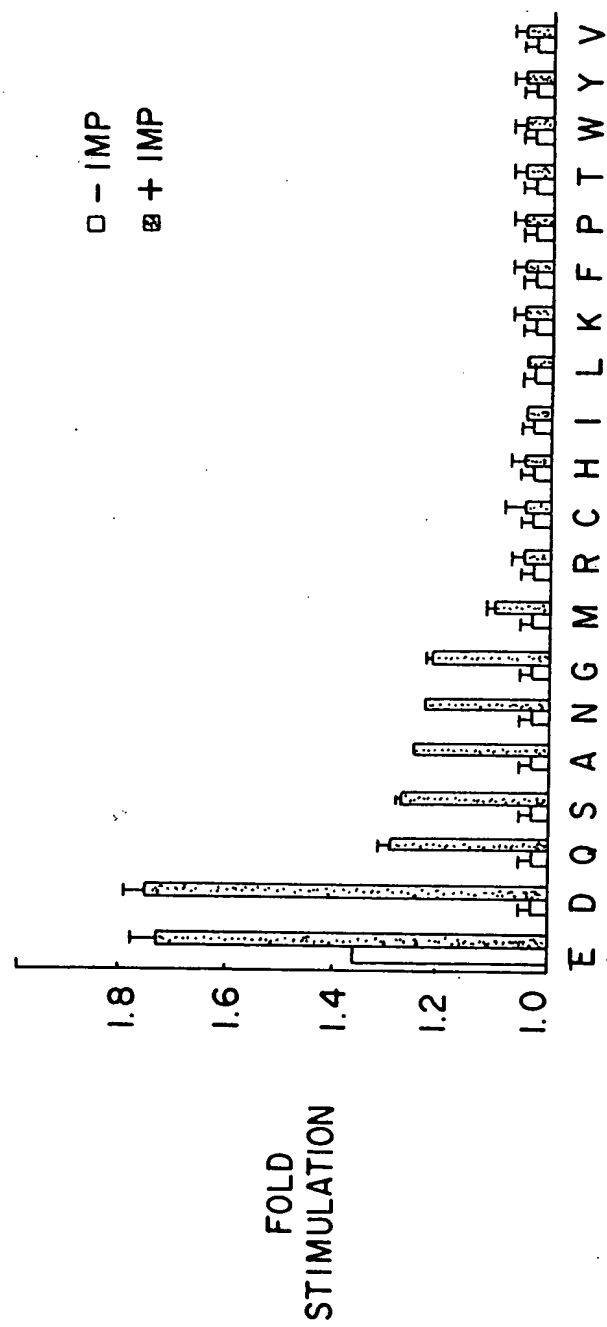


Fig. 14

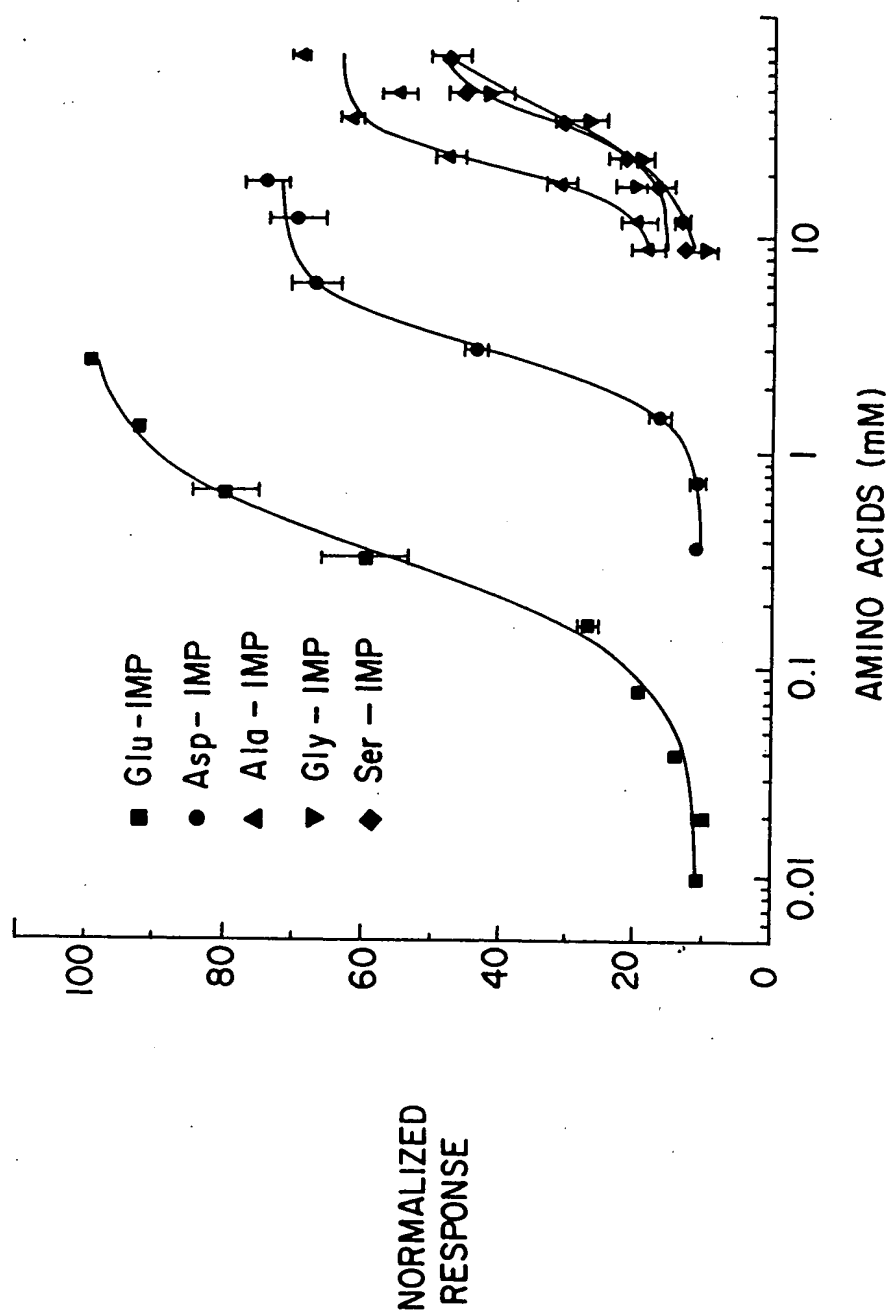


Fig. 15

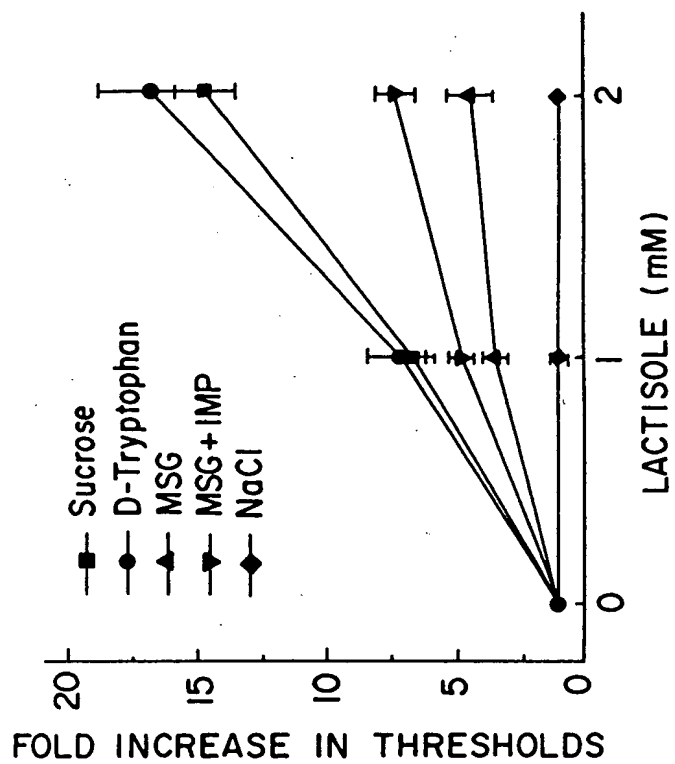


Fig. 16b

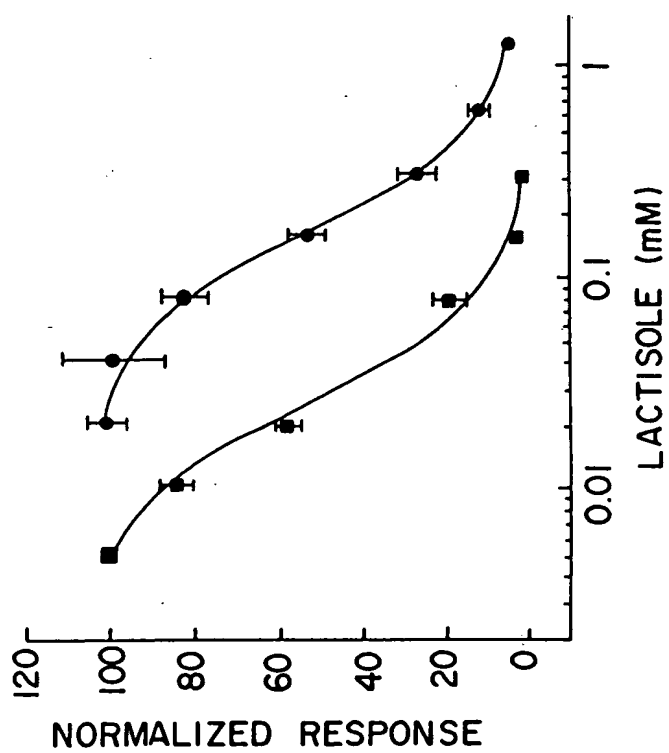


Fig. 16a